FIG. 1

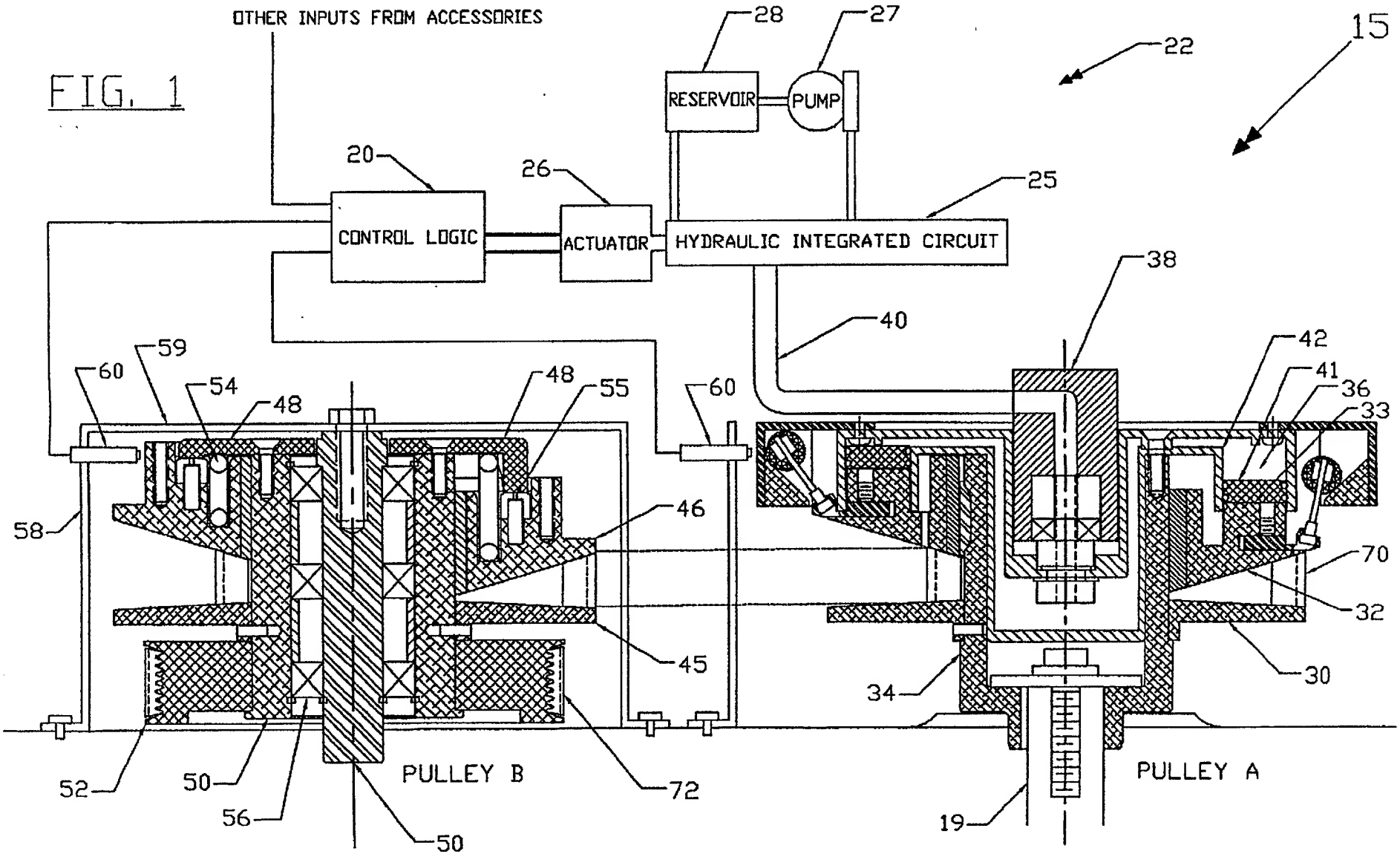

OTHER INPUTS FROM ACCESSORIES
28
27
22
15
RESERVOIR
PUMP
20
26
25
CONTROL LOGIC
ACTUATOR
HYDRAULIC INTEGRATED CIRCUIT
38
40
42
41
36
33
59
60
54
48
48
55
60
58
46
70
32
45
34
30
52
50
56
PULLEY B
72
50
19
PULLEY A

FIG. 2

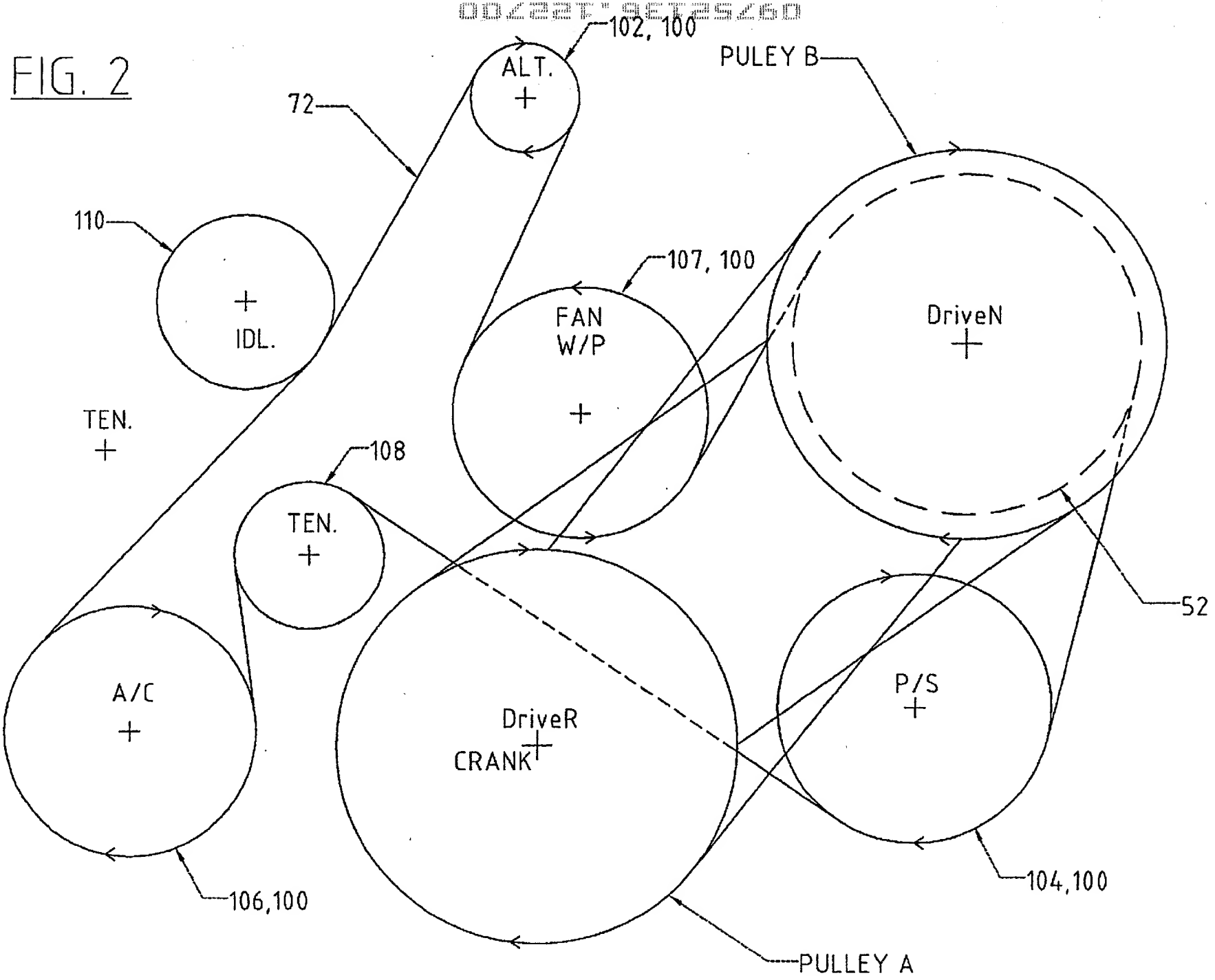
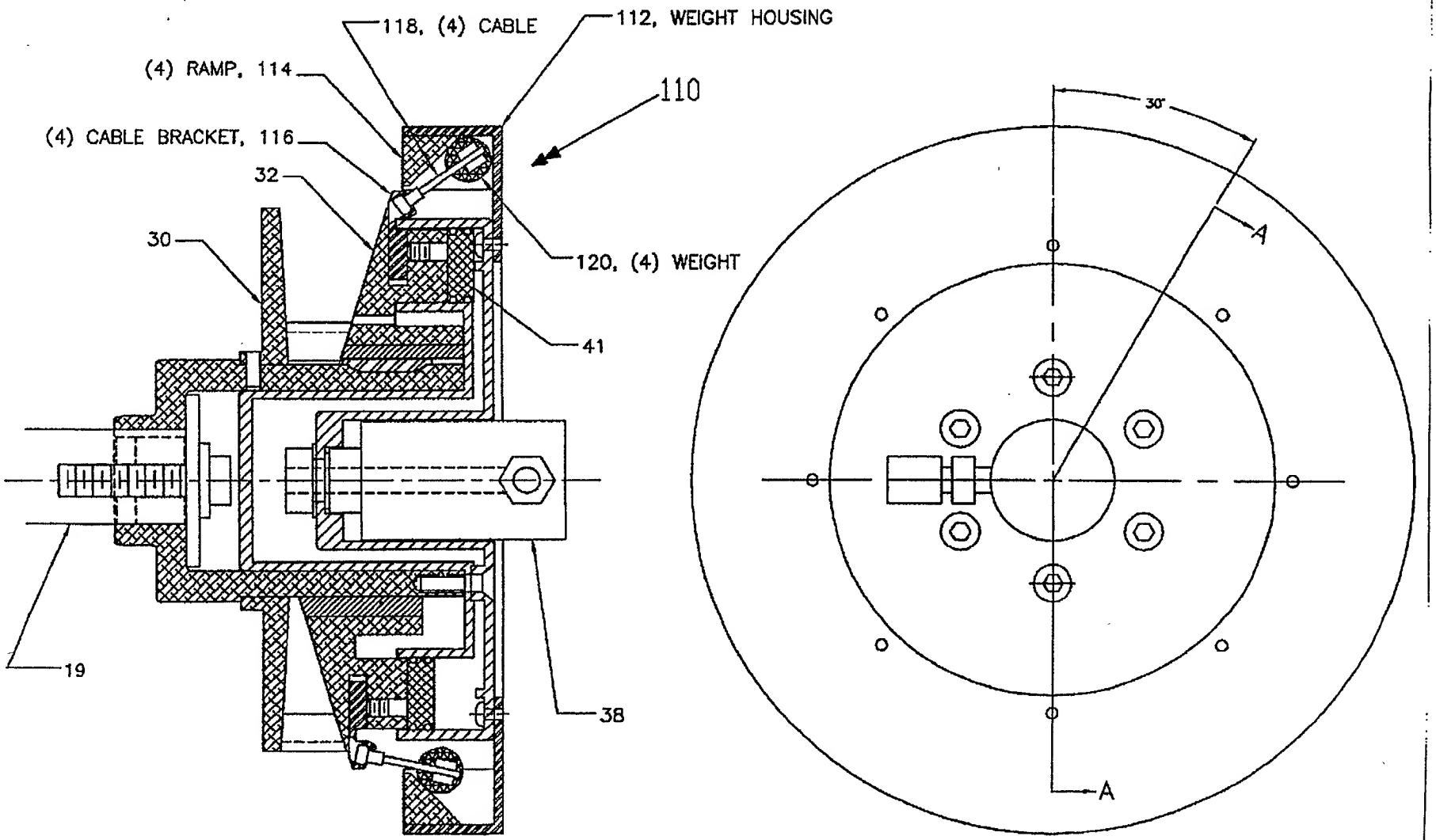


FIG. 3

PATENT PENDING



TOLERANCES
UNLESS OTHERWISE STATED
1. FRACTIONS +/-1/64
2. DECIMALS, 2 PLACES +/-.03
3. DECIMALS, 3 PLACES +/-.03
4. ANGLES +/-1/2deg
5. TOLERANCE TO CLEAR 2 MATCHED PARTS
6. MACHINE SURFACES 63rms

NOTE: PULLEY IS SAME AS ALTERNATE DESIGN 1, WITH THE EXCEPTION OF ADDED PARTS SHOWN.

MAX PD = 7.56
MIN PD = 4.25
SPECIAL A-SYMMETRICAL BELT

USED ON

SPEED SELECTOR INC. CHAGRIN FALLS, OHIO
TITLE CONTROL PULLEY
WITH WEIGHT ASSISTED VENTING
COMPUTER NO. P99049BE
FULL
DWG. NO. P99049BE

Design #2

P99049
(conceived 6/28/00)

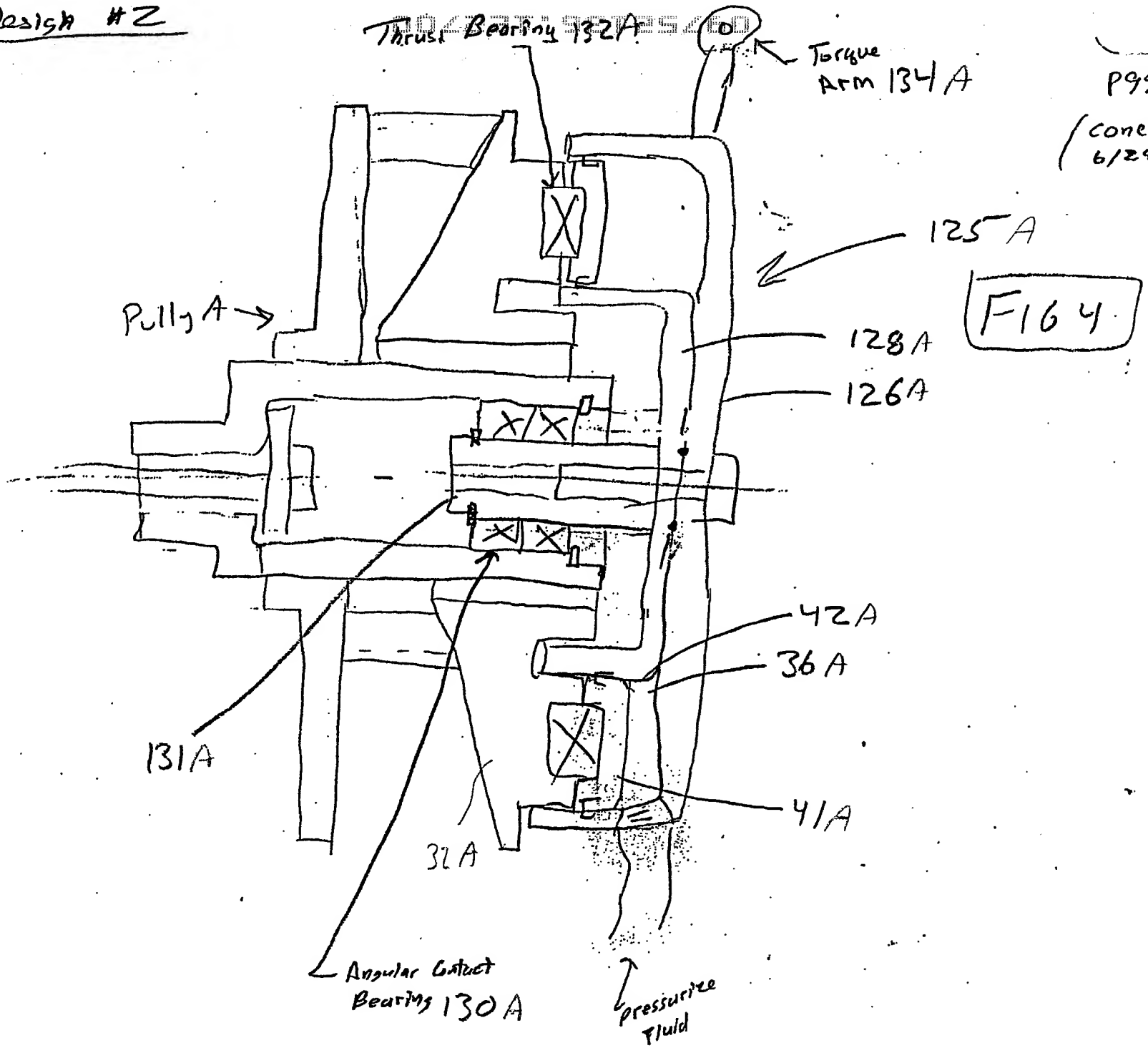
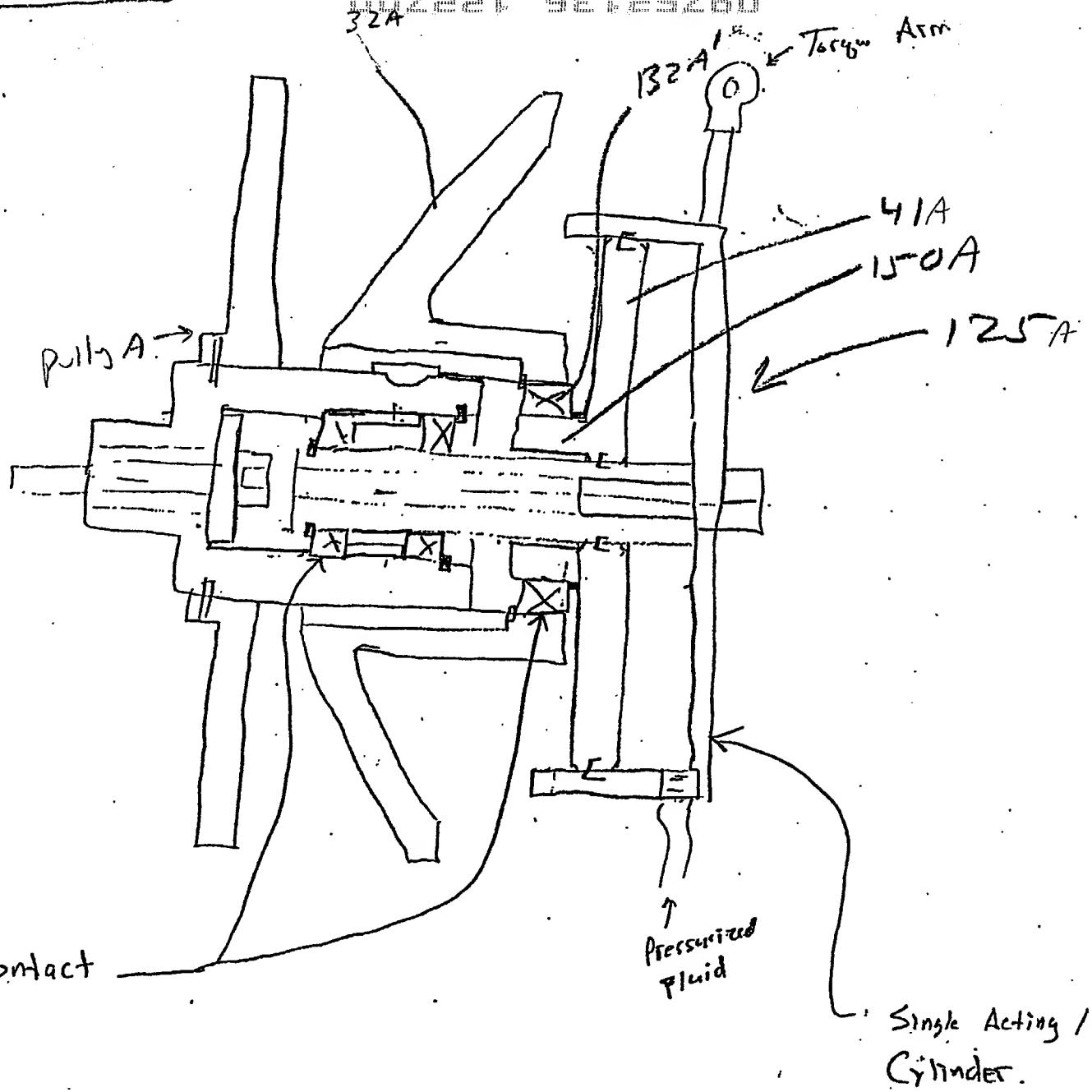


FIG 4

Design #3



F165

Control Pulley :
USING V-Belt

SEW

99049

FIG 6 SET 25260

Design #4

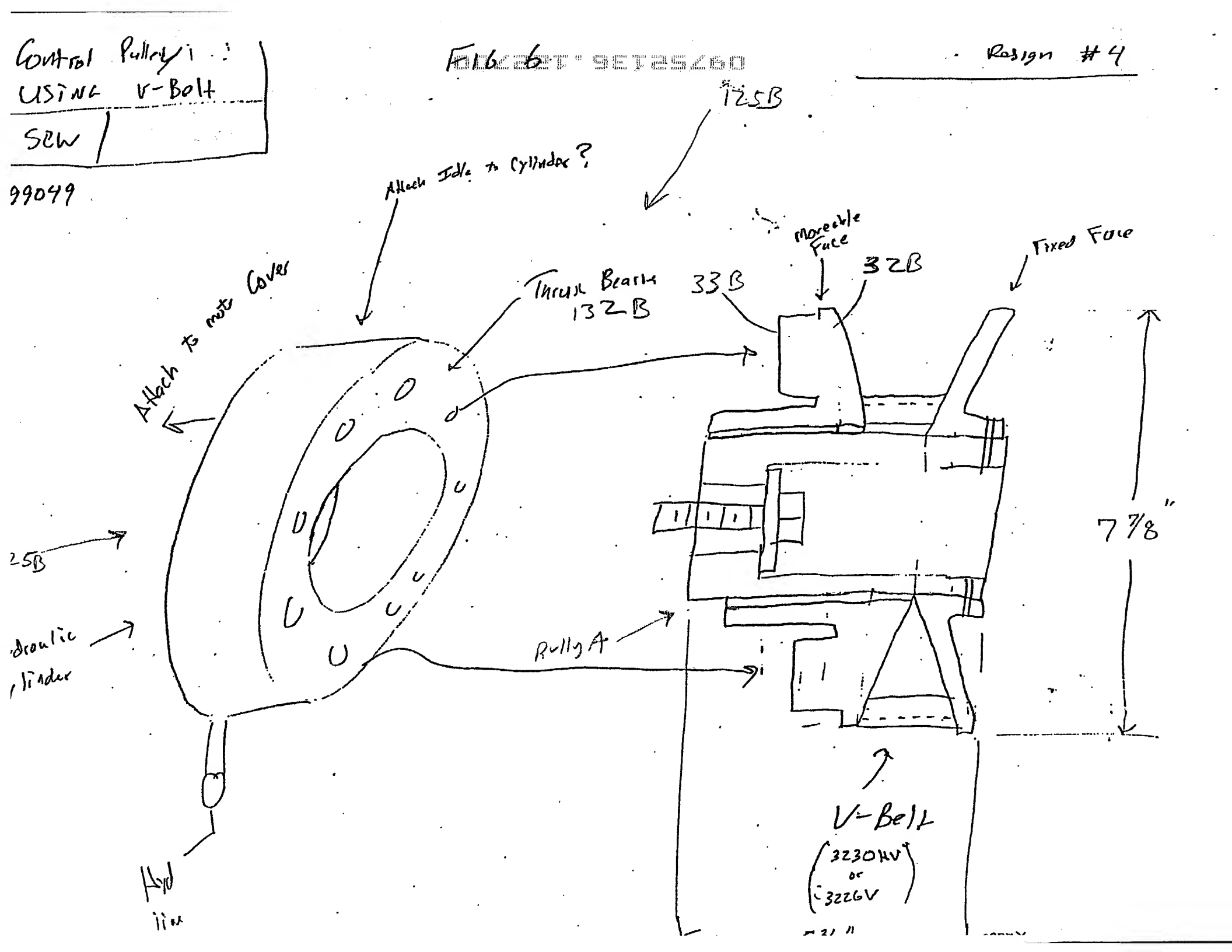


FIG 7A

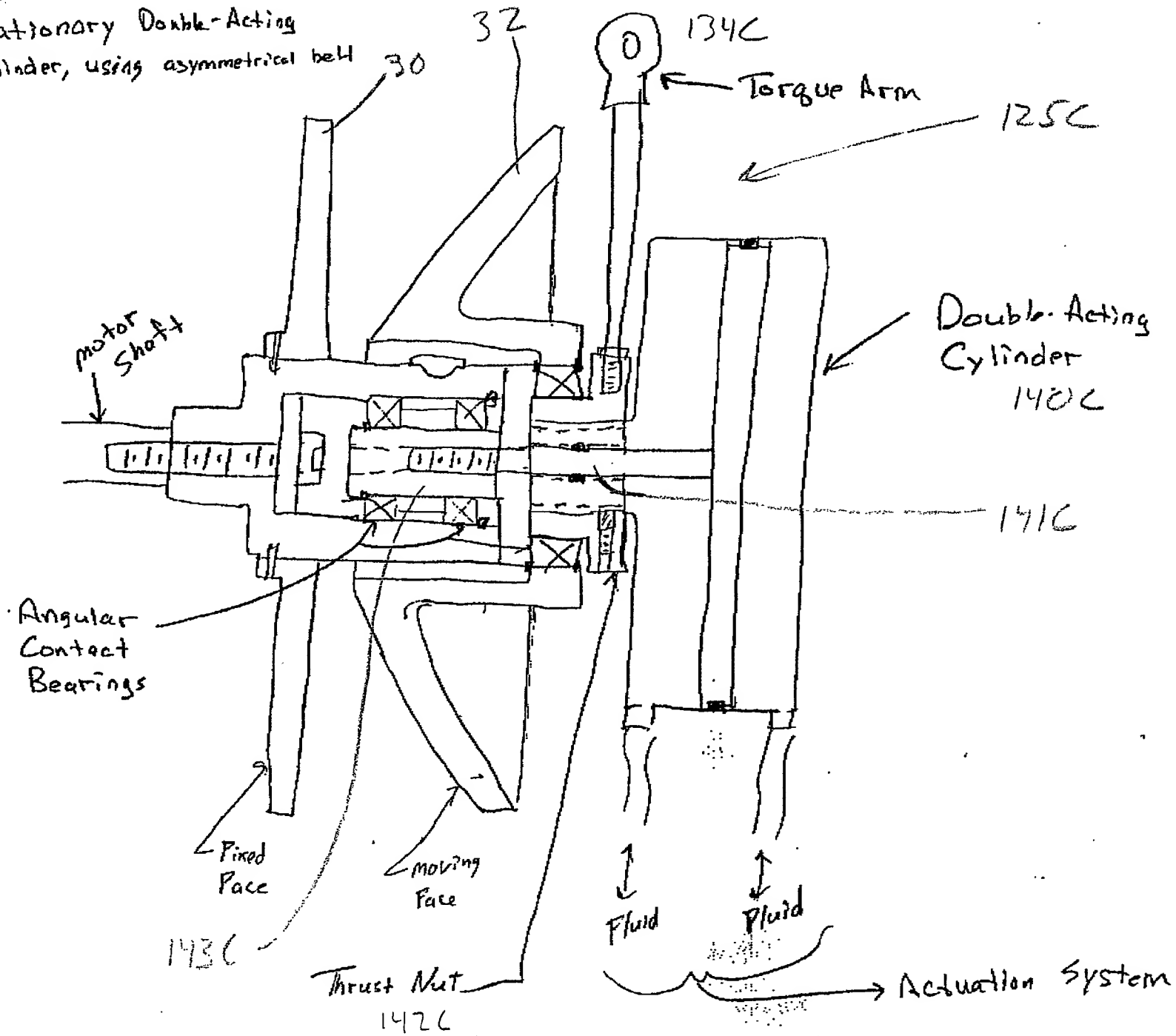

Stationary Double-Acting Cylinder, using asymmetrical bell
30
32
134C
Torque Arm
125C
Double-Acting Cylinder
140C
motor Shaft
141C
Angular Contact Bearings
Fixed Face
Moving Face
143C
Thrust Nut
142C
Fluid
Fluid
Actuation System

FIG 7B

Stationary Double-Acting Cylinder, using V-Belt

SEW

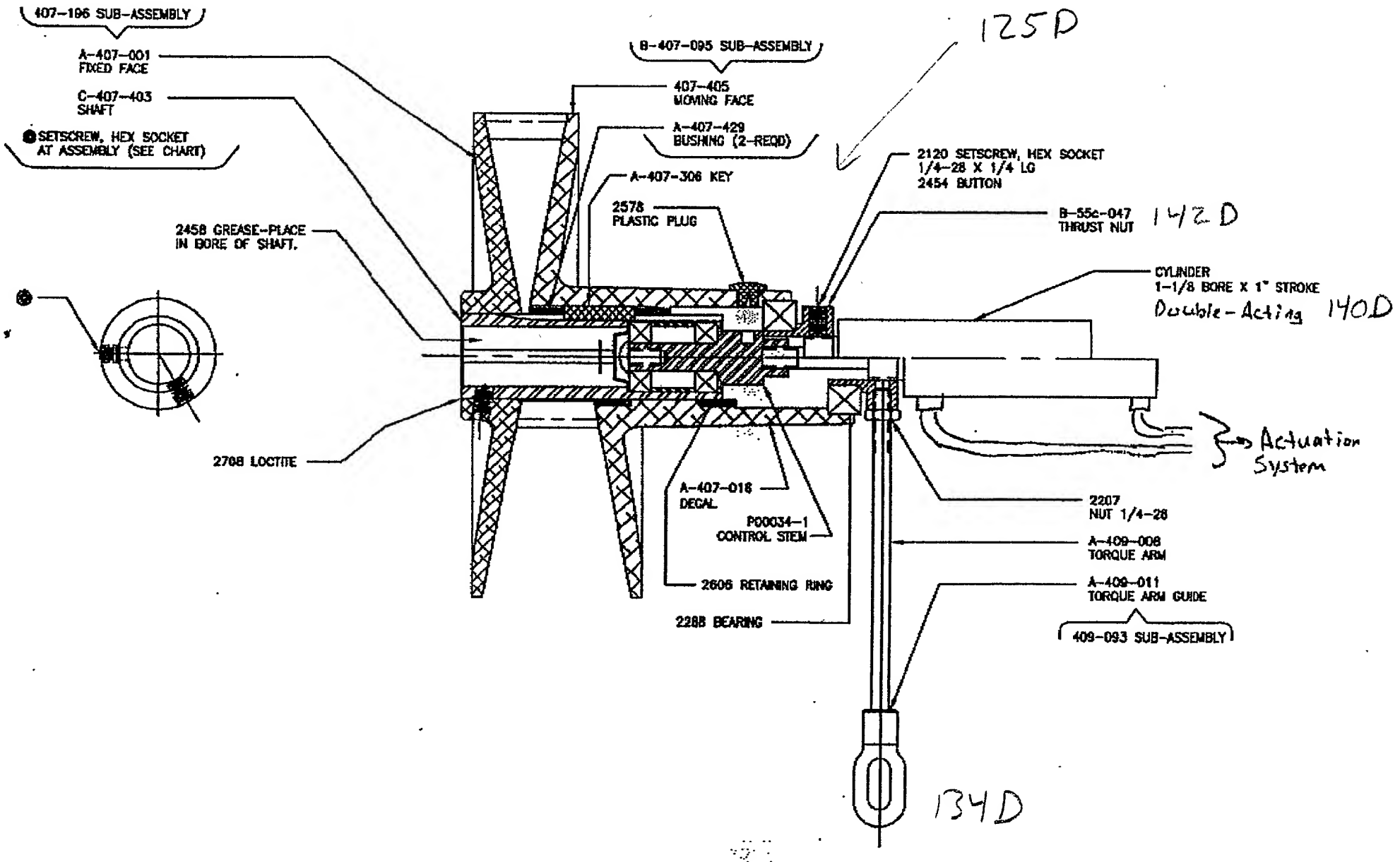


FIG 7C

sew

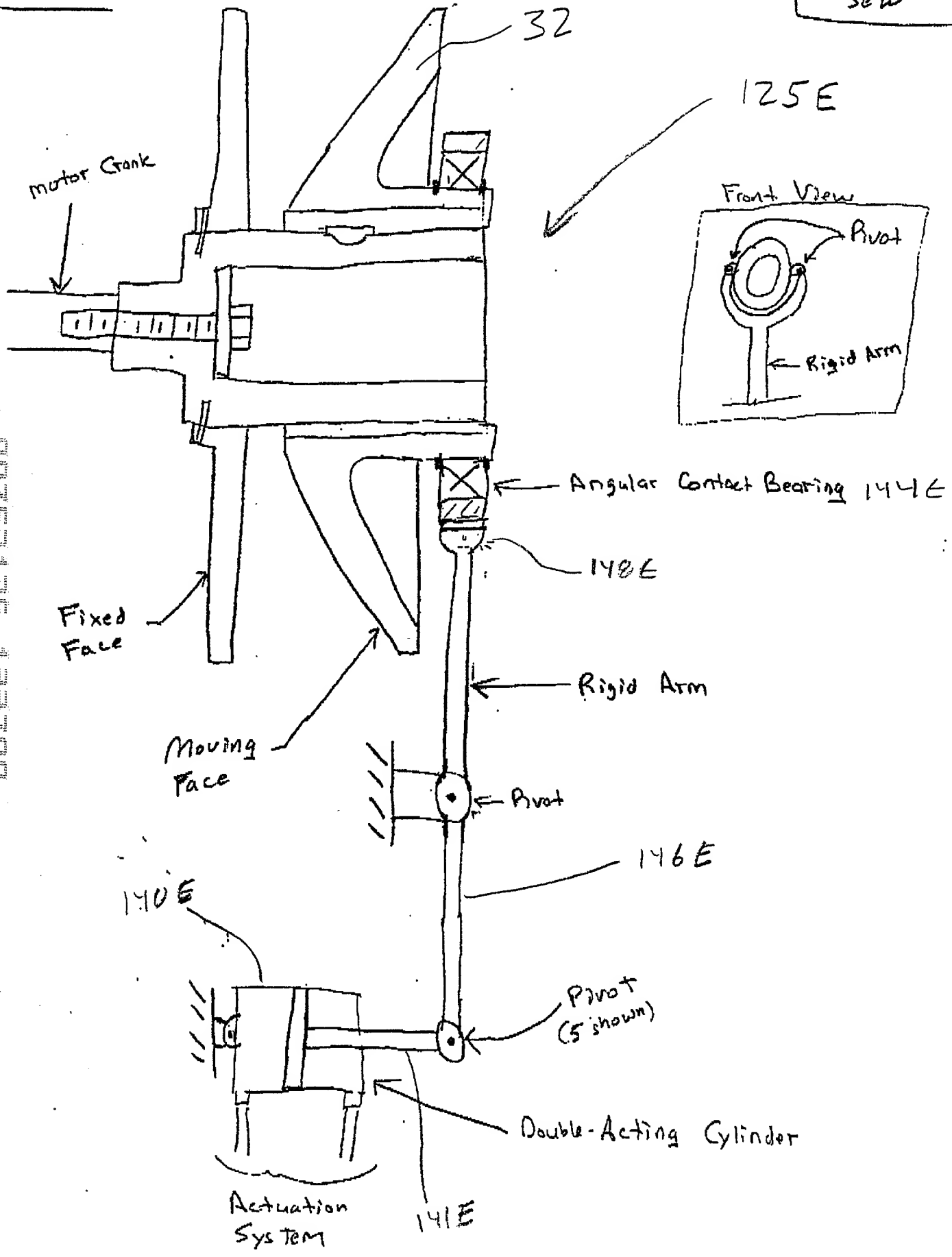
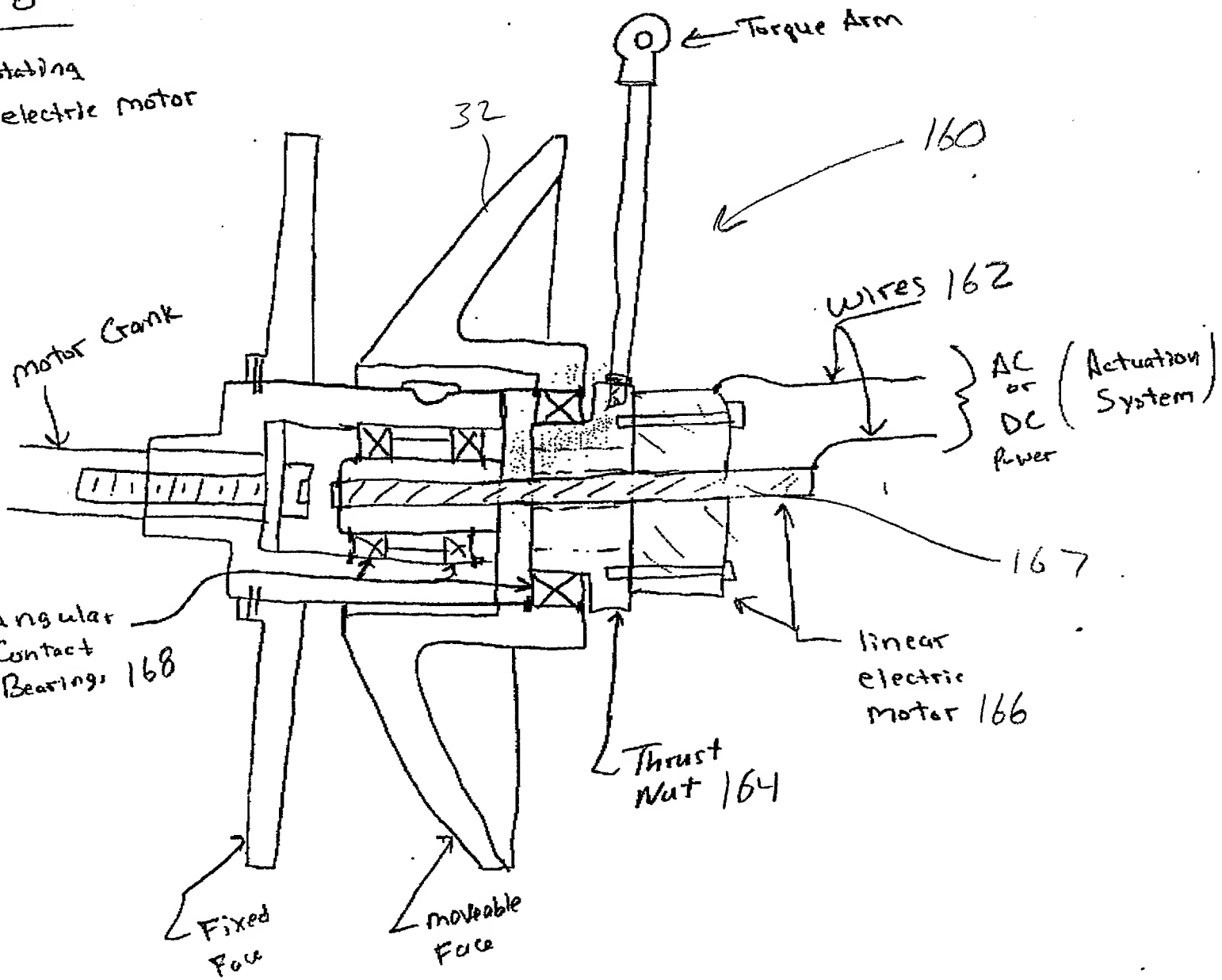
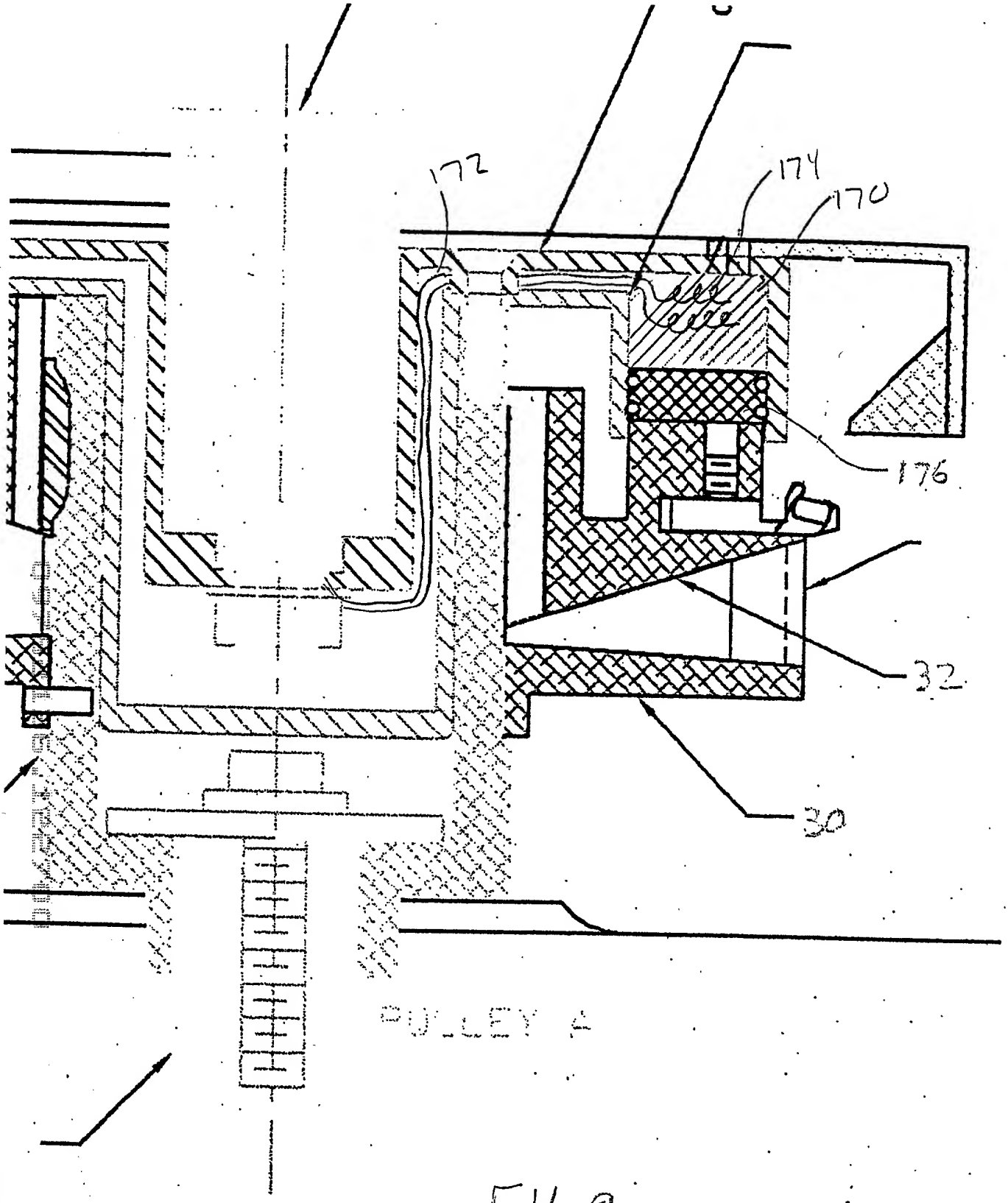

32
125E
motor Crank
Front View
Pivot
Rigid Arm
Angular Contact Bearing 144E
148E
Fixed Face
Rigid Arm
Moving Face
Pivot
146E
140E
Pivot (5 shown)
Double-Acting Cylinder
Actuation System
141E

Fig 8

Non-Rotating linear electric motor

sew





F16 9

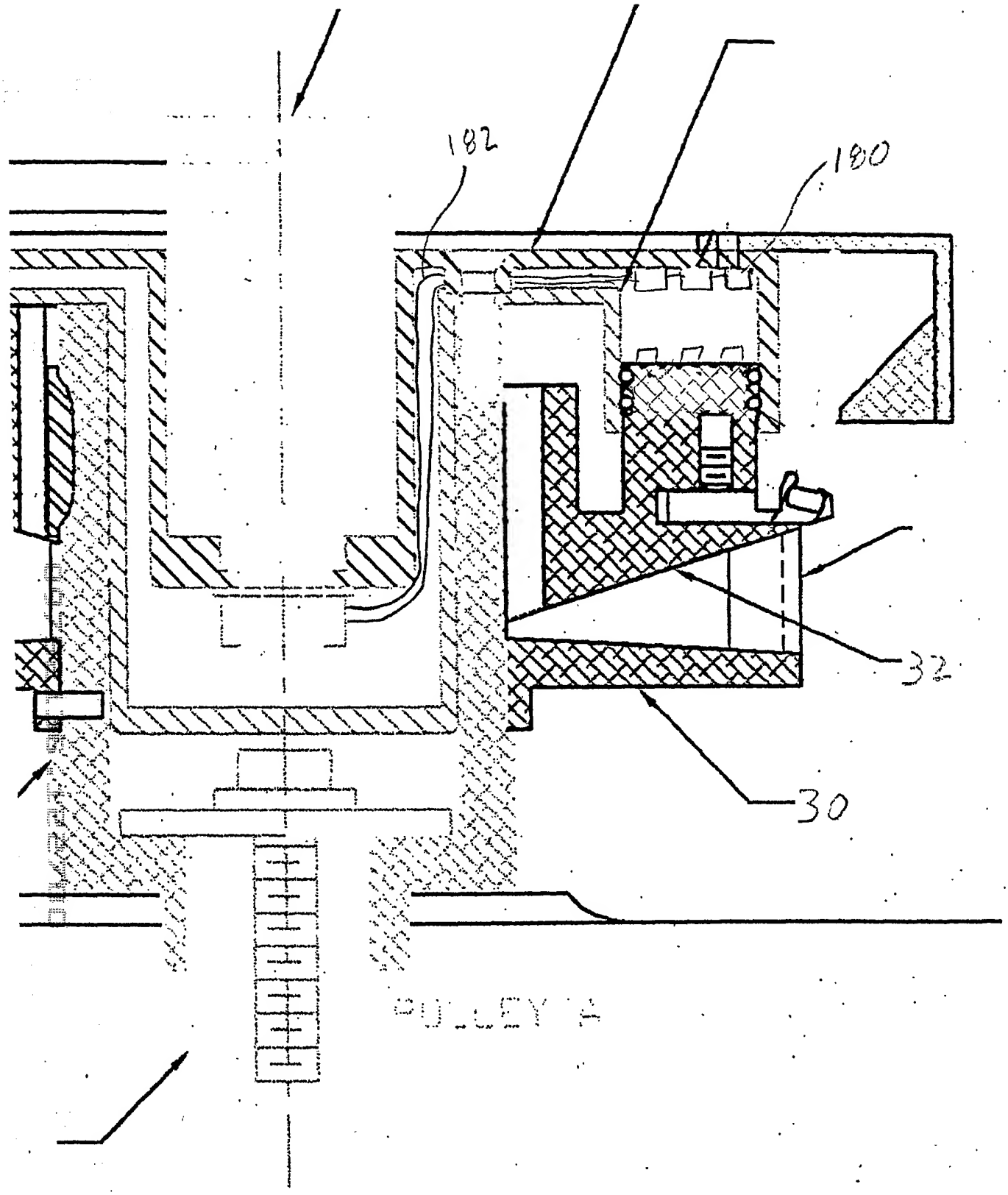


FIG 10

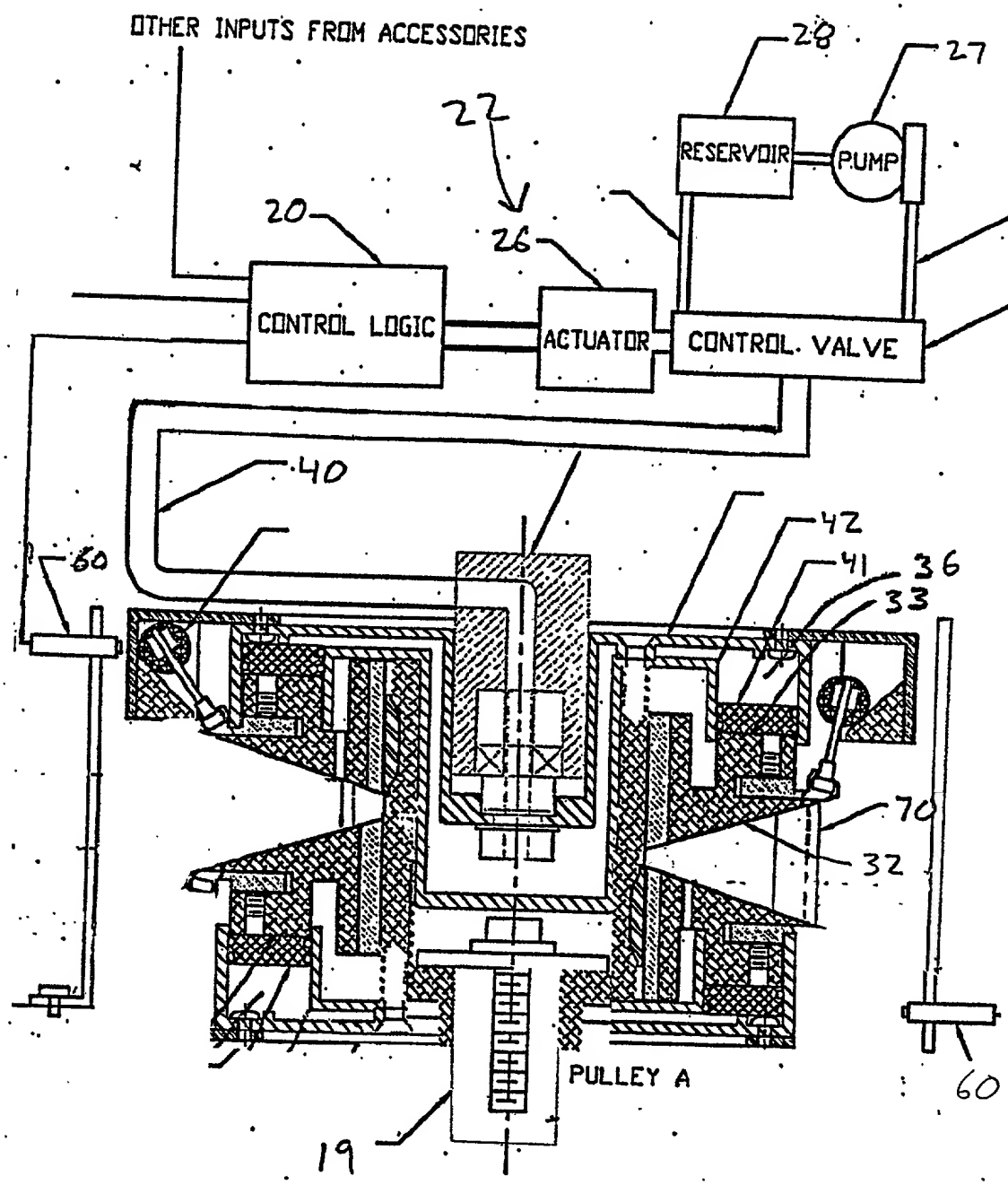
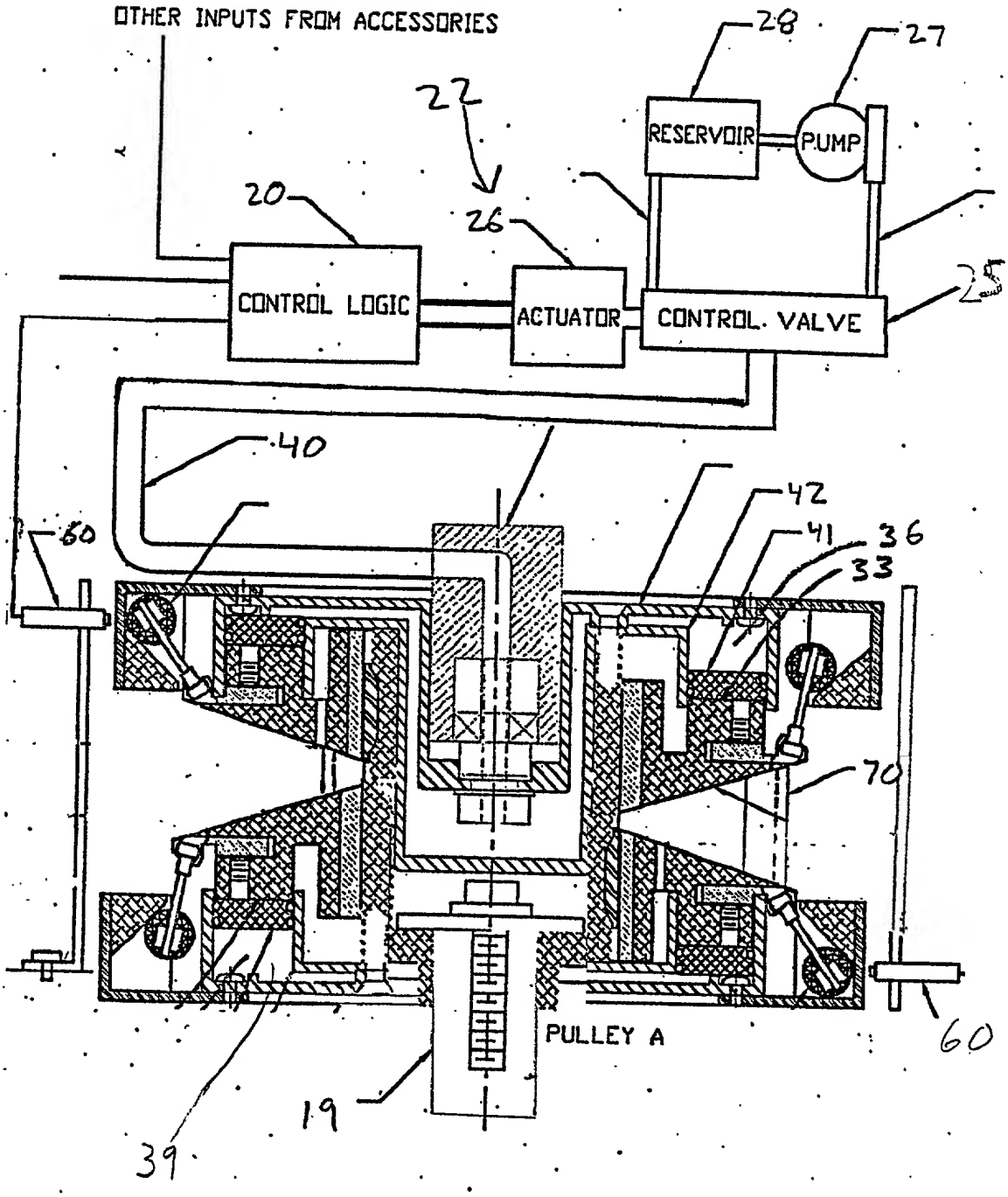

OTHER INPUTS FROM ACCESSORIES
28
27
22
RESERVOIR
PUMP
20
26
CONTROL LOGIC
ACTUATOR
CONTROL. VALVE
25
40
42
60
41
36
33
70
32
PULLEY A
19
60

FIG 11


OTHER INPUTS FROM ACCESSORIES
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27
22
RESERVOIR
PUMP
20
26
CONTROL LOGIC
ACTUATOR
CONTROL. VALVE
25
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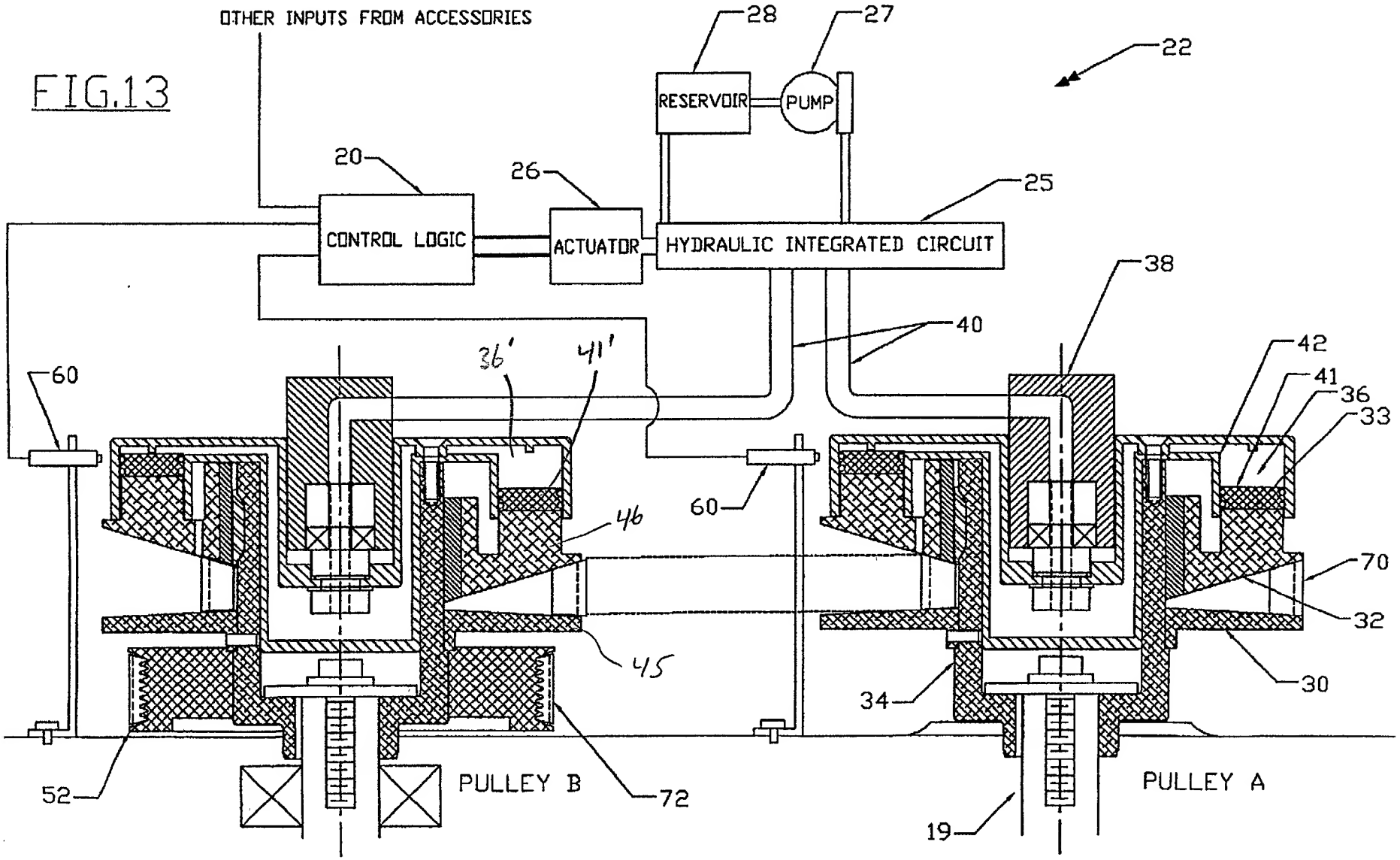
42
41
36
33
60
70
PULLEY A
19
39
60

FIG 12

FIG.13


OTHER INPUTS FROM ACCESSORIES
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RESERVOIR
PUMP
20
26
25
CONTROL LOGIC
ACTUATOR
HYDRAULIC INTEGRATED CIRCUIT
38
40
42
41
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33
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36'
41'
60
46
70
32
45
34
30
52
PULLEY B
72
PULLEY A
19

FIG. 14

SPRING–ASSISTED VENTING

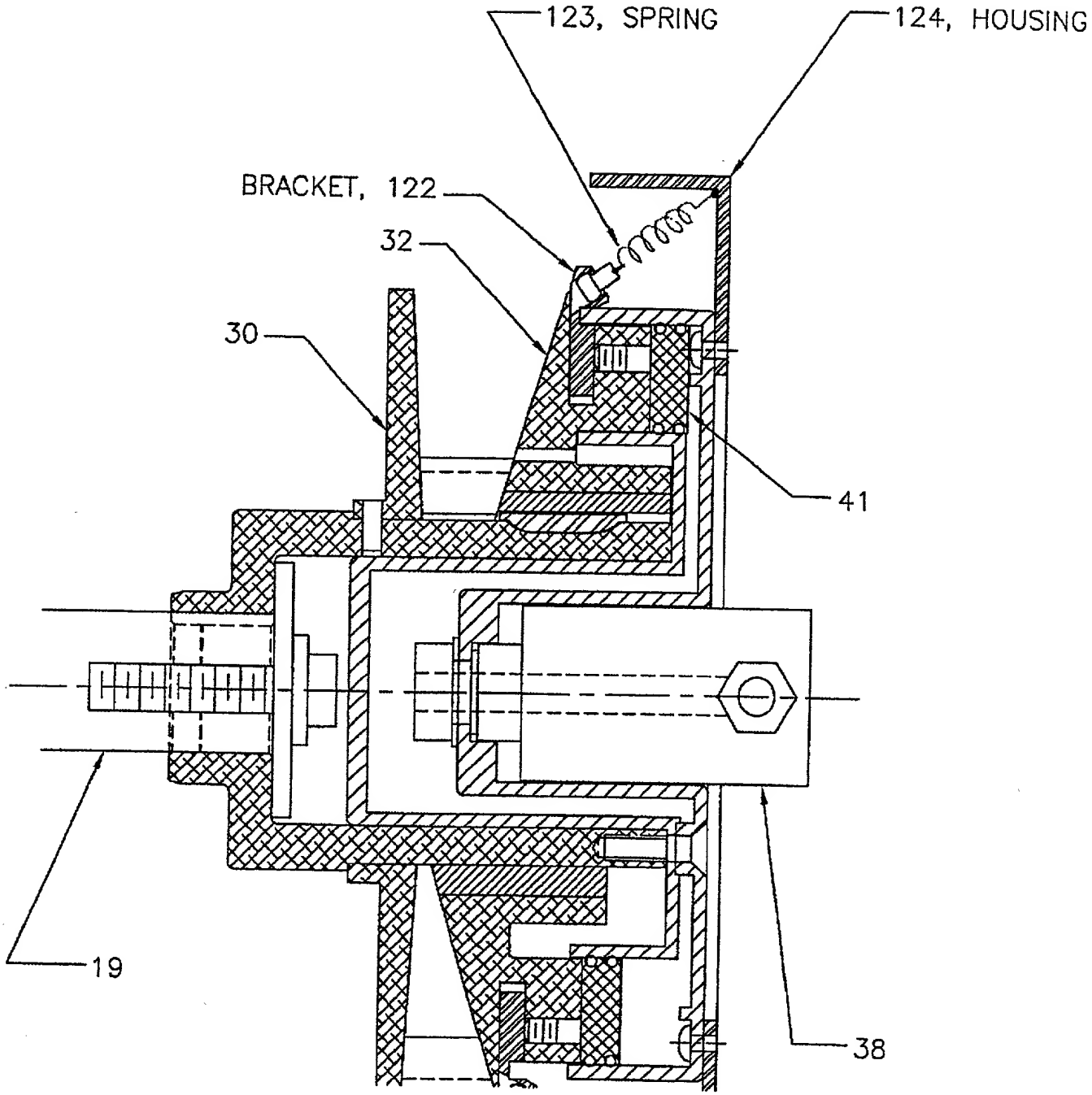

FIG. 15